1. Record Nr. UNINA9910461938103321 Autore Khopkar Shripad Moreshwar Titolo Basic concepts of analytical chemistry [[electronic resource] /] / S. M. Khopkar Tunbridge Wells, : New Academic Science, c2012 Pubbl/distr/stampa **ISBN** 1-906574-37-5 Edizione [3rd ed.] 1 online resource (633 p.) Descrizione fisica Chemistry, Analytic Soggetti Statistics Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Cover"": ""Preface to the Third Edition"": ""Preface to the First Edition"": Nota di contenuto ""Contents""; ""Chapter 1. Introduction""; ""1.1 Importance of Analytical Chemistry""; ""1.2 Methods of Quantitative Analysis""; ""1.3 Criteria for Selection of Method for Analysis""; ""1.4 Chemical Analysis and Analytical Chemistry ""; ""1.5 Quantitative Analysis with Scale of Operation ""; ""1.6 Steps in Quantitative Analysis ""; ""1.7 Methods of Analytical Determination ""; ""1.8 Role of Instrumentation ""; ""Literature"": ""Chapter 2. Reliability of Analytical Data and Statistical Analysis"" ""2.1 Errors in Chemical Analysis """"2.2 Classification of Errors ""; ""2.3 Determining the Accuracy of Methods ""; ""2.4 Improving the Accuracy of Analysis ""; ""2.5 Statistical Analysis ""; ""2.6 Criteria for Rejection of Results: Q-Test ""; ""2.7 Presentation of Data""; ""2.8 Confidence Limit ""; ""2.9 Q-Test for Rejection of Result ""; ""2.10 Standard 't' Test ""; ""Solved Problems""; ""Problems For Practice""; ""Literature""; ""Chapter 3. Sampling in Analysis""; ""3.1 Introduction ""; ""3.2 Definitions of Terms ""; ""3.3 Theory of Sampling ""; ""3.4 Techniques of Sampling "" ""3.5 Statistical Criteria of Ideal Sample """"3.6 Stratified Sampling Versus Random Sampling ""; ""3.7 Minimisation of Variance in Stratified Sampling ""; ""3.8 Transmission and Storage of Samples ""; ""Solved Problems ""; ""Problems For Practice""; ""Literature ""; ""Chapter 4.

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